

## ABSTRACT

A method of manufacturing a water soluble composition adapted for subsequent solubilizing and application to agricultural crops is disclosed in which a divalent metal salt, citric acid and sodium citrate are mixed to form a 5 mixture having a moisture content of from approximately 10% to 1.25% percent by weight. The mixture is then processed in a drying environment to produce a product which is partially chelated and has a moisture content which is less than the moisture content of the mixture prior to processing. The preferred drying environment is from 120°F to 150°F. Most preferably, 10 the processing step is performed in a continuous flow, fluidized bed dryer at from approximately 120°F to 150°F for from approximately 50 seconds to approximately 70 seconds. Preferred divalent metals are iron, copper, zinc and manganese.

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